

F-8540

AMENDMENTS TO THE SPECIFICATION:

Please amend the indicated paragraphs of the specification in accordance with the amendments indicated below.

Page 1: Between the title and the 1st full paragraph, please insert the following heading:

BACKGROUND OF THE INVENTION

Page 1: 1st full paragraph, amend as indicated below:

The invention relates to a method for grinding a rotationally symmetrical machine part provided with a longitudinal bore, the one end-face surface of which is embodied as an active surface in the form in particular of a flat truncated cone with a cross-section with a straight or curved contour, ~~in accordance with the preamble to claim 1.~~

Page 3: Before the 1st full paragraph, please insert the following heading:

SUMMARY OF THE INVENTION

Page 3: 2nd full paragraph, amend as indicated below:

~~The same object applies correspondingly for the apparatus claimed in claim 7.~~

Page 3: 3rd full paragraph, amend as indicated below:

~~This object is attained in accordance with the method steps listed in the characterizing portion of claim 1 in that~~ by having the first the active surface on the machine part held on one side at its exterior circumference is ground, the rotating circumferential contour of the first cylindrical grinding wheel being positioned perpendicularly against the active surface, the machine part being displaced in the direction of its rotational and longitudinal axis relative to the first grinding wheel, whereby the axial extension of the first grinding wheel covers the radial angled extension of the active surface, and in that then in the same clamping the interior wall of the longitudinal bore is ground, a second grinding wheel of smaller diameter being introduced into the longitudinal bore of the machine part by pivoting a grinding headstock, which carries at least the first and the second grinding wheel, and positioned radially against the interior wall.

Page 6: 5th full paragraph, bridging pages 6 and 7, amend as indicated below:

~~In accordance with claim 7, the~~ The invention also relates to an apparatus for grinding a rotationally symmetrical machine part of the type cited in the foregoing in connection with the method. In an apparatus for grinding a rotationally symmetrical machine part provided with a longitudinal bore, the one end-face surface of which is embodied as an active surface in the form of a flat truncated cone with a cross-section with a straight contour, in particular for performing the method in accordance with ~~any of claims 1 through 6, the~~ following:

Page 9: 3rd full paragraph, amend as indicated below:

The invention will be described in greater detail in an exemplary embodiment using the figures. ~~The figures are as follows:~~

Page 9: Between the 3rd and 4th full paragraphs, please insert the following heading:

BRIEF DESCRIPTION OF THE DRAWINGS

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Page 9: 7th full paragraph, amend as indicated below:

Figure 4 explains how the inventive method is performed in the first processing phase; and

Page 9: Between the 8th and 9th full paragraphs, please insert the following heading:

DESCRIPTION OF THE PREFERRED EMBODIMENT

Page 13: Please amend the heading as indicated below:

~~Legend~~ Legends